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(54) CHEMICALLY TEMPERABLE ALUMINOSILICATE GLASS AND ITS USE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain chemically temperable aluminosilicate glass contg. a small number of bubbles of small size.

SOLUTION: This glass has a compsn. consisting of, by mol, 63.0-67.5% SiO2, 9.5-12.0% Al2O3, 8.5-15.5% Na2O, 2.5-4.0% K2O 3.0-9.0% MgO, 0-2.5% CaO+SrO+ BaO+ZrO, 0.5-1.5% TiO2, 0.02-0.5% CeO2, 0.02-0.35% As2O3, 0-1.0% SnO2 and 0.05-2.6% F2 and satisfies 5.3≤SiO2/Al2O3≤6.85, 3.0≤ Na2O/K2O≤5.6, 2.8≤Al2O3/ K2O≤3.6 and 7.6≤Al2O3/(TiO2+CeO2)≤18.5. In the case where As is not contained, 0.02-1.0% SnO2 and >0.5 to 2.6% F2 are contained.